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Abstract

A magnetic recording medium on glass or Al substrates with a film structure of Cr-X or $(Cr-X)O_x$ seedlayer/underlayer/magnetic layer/carbon overcoat, in which the solid solubility of X is at least 3 atomic percent in Cr, the heat of oxide formation of X is less than that of Cr or a lattice tuning capability of X is at least 2% that of Cr and a manufacturing process thereof are disclosed.

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